

# **Scope/Alternative Management Standards Proposed Regulations**

## **Treatment of Electronic Wastes**

**California Code of Regulations, Title 22**

# **Classification Of A Covered Electronic Device**

## **§66260.201**

- Electronic device listed in subdivision (c) of Appendix X to Chapter 11 shall be presumed to be hazardous and managed as “covered electronic device” unless manufacturer obtained DTSC’s concurrence.
- Manufacturers may apply for DTSC’s concurrence with non-hazardous determination of listed electronic device.
- Manufacturers of listed electronic devices to notify retailers

# Chapter 11 - Appendix X

## Subsection (c)

Electronic wastes presumed to be hazardous:

- Cathode Ray Tubes (CRT) > 4 inches
- CRT devices containing CRT > 4 inches
- Computer monitors containing CRT > 4 inches
- Laptop computers with LCD screens > 4 inches
- LCD containing desktop monitors > 4 inches
- Televisions containing CRT > 4 inches

# **Standards For Universal Waste Management**

## **§66273.3 Applicability: Consumer Electronic Devices (CEDs)**

- Changes this section to require Universal Waste CEDs to be recycled.
- If going for disposal, can't be managed as Universal Waste.

# Alternative Management Standards

Management of electronic wastes that are:

- Consumer electronic devices as defined in §66273.9;
- Does not include CRT materials (Article 7).

# **Alternative Management Standards**

Defines four (4)  
categories of treatment:

# Small/Large Quantity Handlers

- §66273.13/33(d)(3)(A)

Small or large quantity handler activities limited to those in consumer electronic device owner's manual.

# Small/Large Quantity Handler

§66273.13/33(d)(3)(**B**)

Small or large quantity handlers that disassemble and/or dismantle consumer electronic devices.



# Small/Large Quantity Handler

## ■ §66273.13/33(d)(3)(C)

Small or large quantity handlers that conduct treatment other than disassembly, and generate only scrap metal or other hazardous waste exempt from full regulation (e.g., universal wastes).

# Small/Large Quantity Handler

- §66273.13/33(d)(3)(**D**)

Small or large quantity handlers that conduct treatment and produce treatment residuals that are characteristic hazardous waste under Chapter 11 and that are not scrap metal or universal waste.

# Waste Management Standards

- §66273.13/33(d)(3)(F)(1) through (7)

- (1) Notification and Reporting

- (2) Containment of Residuals

- (3) Worker Safety

- (4) Zoning

- (5) Management of Residuals

- (6) Treatment Standards for Handlers (**C**) and (**D**)

- (7) Treatment Standards for Handlers (**D**)

# Waste Management Standards

- §66273.13/33(d)(3)(F)(1)

Notification/Reporting: Identifies handler and activities conducted by the handler.

- Notification (pre-notification)
- Annual Report (post report)

# Waste Management Standards

- §66273.13/33(d)(3)(F)(2)

## Containment of Residuals:

Requires handlers to conduct treatment activities in a manner that prevents releases; requires containment of treatment residuals.

# Waste Management Standards

- §66273.13/33(d)(3)(F)(3)

Worker Safety: Requires handlers to be familiar with related hazards, access to protective equipment, and compliance with applicable worker health and safety laws (like Cal-OSHA).

# Waste Management Standards

- §66273.13/33(d)(3)(F)(4)

Zoning: Requires treatment activities in locations consistent with local zoning or land use requirements.

# Waste Management Standards

- §66273.13/33(d)(3)(F)(5)

Management of Residuals: Requires treatment residuals to be properly classified and managed.



# Waste Management Standards

- §66273.13/33(d)(3)(F)(6)

## Treatment Standards for Handlers [(C) and (D)]:

- requires use of only specified processes;
- removal of specified materials before processing;
- hazardous waste manifest for residuals sent for disposal;
- recycling of scrap metal residuals;

# Waste Management Standards

- §66273.13/33(d)(3)(F)(6) (cont.)
  - compliance with seismic and flood standards;
  - compliance with local air pollution laws;
  - recordkeeping; and,
  - closure notification.

# Waste Management Standards

- §66273.13/33(d)(3)(F)(7)

Additional Management Standards for Handlers (D): Requires handlers that generate treatment residuals that are non-universal hazardous wastes, to:

- Prepare a closure cost estimate;
- Obtain financial assurance for closure
- Obtain financial responsibility for liability.

# Exports

## ■ §66273.20/40/56/90

Persons who export covered electronic wastes are required to comply with the applicable export requirements of Public Resources Code, division 30, part 3, chapter 8.5.

# Exports

- SB 20 contains an exemption (from the export demonstrations) for components that are exported and recycled and reused to make new electronic products.

# CRT Export

- DTSC is leaning towards interpreting components to mean cathode ray tubes
- DTSC would like your comments on this interpretation of that statute.